## File contents:

Supplement 01 (v03) to "The Translational Medicine Ontology and Knowledge Base: Driving personalized medicine by bridging the gap between bench and bedside", Joanne S. Luciano et al., JBMS, Bio-Ontologies 2010 (2011)

### Comments:

This supplement contains sample SPARQL queries relevant for the paper listed above. All of the queries are functional as of 7-Feb-2011 and return the listed results. Depending on future changes to TMO and the TMOKB, queries and results might change in the future. These queries and links to the results are also listed at:

 $\underline{\text{http://esw.w3.org/HCLSIG/PharmaOntology/Queries}}.$ 

## TMO use case related queries

Q1. How many patients experienced side effects while taking Donepezil?

### **SPARQL**

```
PREFIX indivo: <a href="http://indivo.org/vocab/xml/documents#">http://indivo.org/vocab/xml/documents#>
PREFIX trans: <tag:eric@w3.org:2009/tmo/translator#>
PREFIX foaf: <a href="http://xmlns.com/foaf/0.1/">http://xmlns.com/foaf/0.1/>
SELECT DISTINCT(?patient) ?patient_name ?encounter_date ?symptoms ?diagnosis
?drug name ?prescription start
WHERE {
  GRAPH <pchr> {
     ?patient foaf:name ?patient name .
     ?encounter trans:patient ?patient ;
       trans:reportedSymptoms ?symptoms;
       trans:workingDiagnosis?diagnosis;
       trans:dateOfEncounter?encounter date.
     ?drug trans:prescribedTo ?patient;
       indivo:prescribedOn ?prescription_start ;
       trans:datePrescriptionEnded?prescription end;
       trans:genericName?drug name.
     FILTER regex(?drug_name, "DONEPEZIL", "i") .
     FILTER (?prescription start <= ?encounter date && ?prescription end >=
?encounter_date).
  }
}
```

#### Results

patient	patient	encounter_	symptoms	diagnosis	drug_name	prescriptio
	_name	date				n_start
http://tag:eric@w3	George	2009-08-15	nausea	adverse	DONEPEZIL	2009-08-
.org:2009/pchr/1#	Andrew			event to	HYDROCHL	10
me	Tour			Donepezi	ORIDE	
				1	TABLETS	

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## Q2. What are the diagnostic criteria for AD?

### **SPARQL**

```
define input:inference "infer"
PREFIX tmo: <a href="http://www.w3.org/2001/sw/hcls/ns/transmed/">http://www.w3.org/2001/sw/hcls/ns/transmed/</a>
PREFIX iao: <a href="http://www.obofoundry.org/ro/ro.owl#">http://www.obofoundry.org/ro/ro.owl#</a>

SELECT DISTINCT ?type_label ?criterion_label
WHERE {
    [] a ?type;
        a ?stated_type;
        rdfs:label ?criterion_label;
        iao:is_about <a href="http://www4.wiwiss.fu-berlin.de/diseasome/resource/diseases/74">http://www4.wiwiss.fu-berlin.de/diseasome/resource/diseases/74</a> .
    ?stated_type rdfs:label ?type_label .
    ?stated_type rdfs:subClassOf ?type .
    FILTER (?type = tmo:TMO_0068) .
}
ORDER BY DESC(?type_label) ASC(?criterion_label)
```

### Results

type_label	criterion_label
diagnostic inclusion criterion	Abnormal cerebrospinal fluid biomarker
	[dubois:7]
diagnostic inclusion criterion	Both clinical and genetic evidence (mutation
	on chromosome 1, 14, or 21) of AD
	[dubois:21]
diagnostic inclusion criterion	Both clinical and histopathological (brain
	biopsy or autopsy) evidence of the disease,
	as required by the NIA-Reagan criteria for the
	post-mortem diagnosis of AD [dubois:20]
diagnostic inclusion criterion	Gradual and progressive change in memory
	function reported by patients or informants
	over more than 6 months [dubois:2]
diagnostic inclusion criterion	Low amyloid ?1?42 concentrations, increased
	total tau concentrations, or increased
	phospho-tau concentrations, or combinations
	of the three [dubois:8]
diagnostic inclusion criterion	Objective evidence of significantly impaired
	episodic memory on testing: this generally
	consists of recall deficit that does not improve
	significantly or does not normalise with cueing
	or recognition testing and after effective
	encoding of information has been previously
	controlled [dubois:3]

diagnostic inclusion criterion	Presence of an early and significant episodic memory impairment [dubois:1]
diagnostic inclusion criterion	Presence of medial temporal lobe atrophy
and green and mental and an arrangement	[dubois:5]
diagnostic inclusion criterion	Proven AD autosomal dominant mutation
3	within the immediate family [dubois:10]
diagnostic inclusion criterion	Reduced glucose metabolism in bilateral
, s	temporal parietal regions with PET [dubois:9]
diagnostic inclusion criterion	The episodic memory impairment can be
, and the second	isolated or associated with other cognitive
	changes at the onset of AD or as AD
	advances [dubois:4]
diagnostic inclusion criterion	Volume loss of hippocampi, entorhinal cortex,
	amygdala evidenced on MRI with qualitative
	ratings using visual scoring (referenced to
	well characterised population with age norms)
	or quantitative volumetry of regions of interest
	(referenced to well characterised population
	with age norms) [dubois:6]
diagnostic exclusion criterion	Cerebrovascular disease [dubois:17]
diagnostic exclusion criterion	Early extrapyramidal signs [dubois:13]
diagnostic exclusion criterion	Early occurrence of the following symptoms:
	gait disturbances, seizures, behavioural
	changes [dubois:12]
diagnostic exclusion criterion	Focal neurological features including
	hemiparesis, sensory loss, visual field deficits
	[dubois:14]
diagnostic exclusion criterion	MRI FLAIR or T2 signal abnormalities in the
	medial temporal lobe that are consistent with
dia manatia avalvaia a suitavia a	infectious or vascular insults [dubois:19]
diagnostic exclusion criterion	Major depression [dubois:16]
diagnostic exclusion criterion	Non-AD dementia [dubois:15]
diagnostic exclusion criterion	Sudden onset [dubois:11]
diagnostic exclusion criterion	Toxic and metabolic abnormalities [dubois:18]

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# Q3. Is Donepezil covered by Medicare D?

## **SPARQL**

```
define input:inference "infer"
```

PREFIX tmo: <a href="http://www.w3.org/2001/sw/hcls/ns/transmed/">http://www.w3.org/2001/sw/hcls/ns/transmed/</a>

PREFIX medicare: <a href="http://www4.wiwiss.fu-berlin.de/medicare/resource/medicare/">http://www4.wiwiss.fu-berlin.de/medicare/resource/medicare/>

```
SELECT ?label
WHERE {
    GRAPH <medicare> {
        ?medicare_drug a tmo:TMO_0001 .
```

```
?medicare_drug rdfs:label ?label .
FILTER regex(?label, "donepezil", "i") .
}
```

#### Results

```
label
Aricept (Donepezil Hydrochloride)
Aricept ODT (Donepezil Hydrochloride)
```

-----

Q4. Have any of my AD patients been treated for other neurological conditions as this might impact their diagnosis?

**SPARQL** 

```
PREFIX indivo: <a href="mailto:kittp://indivo.org/vocab/xml/documents#">kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailto:kmailt
```

#### Results

patient	patient_name
http://tag:eric@w3.org:2009/pchr/2#me	Monica Mary Mall

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Q5. Are there other clinical trials that my patient may participate in for AD which have a different mechanism of action to the patient's current drug because it caused side effects?

A5.1. 569 clinical trials which involve AD are known. 181 trials are enrolling by invitation or recruiting patients.

### **SPARQL**

```
PREFIX linkedct: <a href="http://data.linkedct.org/resource/linkedct/">http://data.linkedct.org/resource/linkedct/</a>
PREFIX drugbank: <a href="http://www4.wiwiss.fu-berlin.de/drugbank/resource/drugbank/">http://www4.wiwiss.fu-berlin.de/drugbank/resource/drugbank/</a>

SELECT ?trial_status, count(*)
WHERE {
    ?trial ?type linkedct:trials .
    ?trial linkedct:overall_status ?trial_status .
    ?trial linkedct:ondition ?condition .
    ?condition linkedct:condition_name ?condition_name .
    FILTER regex(?condition_name, "alzheimer", "i") .
}
```

#### Results

trial_status	callret-1
Enrolling by invitation	12
Active, not recruiting	72
Withdrawn	1
Completed	263
Suspended	2
Recruiting	169
Terminated	31
Not yet recruiting	19

#### A5.2. 72 active clinical trials involve AD.

#### **SPARQL**

```
PREFIX linkedct: <a href="http://data.linkedct.org/resource/linkedct/">http://data.linkedct.org/resource/linkedct/</a>
PREFIX drugbank: <a href="http://www4.wiwiss.fu-berlin.de/drugbank/resource/drugbank/">http://www4.wiwiss.fu-berlin.de/drugbank/resource/drugbank/</a>
SELECT count(*)
```

```
WHERE {
    ?trial ?type linkedct:trials .
    ?trial linkedct:overall_status ?trial_status .
    ?trial linkedct:condition ?condition .
    ?condition linkedct:condition_name ?condition_name .
    FILTER regex(?trial_status, "active", "i") .
    FILTER regex(?condition_name, "alzheimer", "i") .
}
```

## Results

```
callret-0
72
```

### A5.3. 2 drugs targeting AD with established mechanism of action are in clinical trials.

### **SPARQL**

```
PREFIX linkedct: <a href="http://data.linkedct.org/resource/linkedct/">http://data.linkedct.org/resource/linkedct/</a> PREFIX drugbank: <a href="http://www4.wiwiss.fu-berlin.de/drugbank/resource/drugbank/">http://www4.wiwiss.fu-berlin.de/drugbank/resource/drugbank/</a>
```

```
SELECT ?name ?moa
WHERE {
    ?trial ?type linkedct:trials .
    ?trial linkedct:overall_status ?trial_status .
    ?trial linkedct:condition ?condition .
    ?condition linkedct:condition_name ?condition_name .
    ?trial linkedct:intervention ?ldrug .
    ?ldrug linkedct:intervention_name ?name .
    ?ddrug owl:sameAs ?ldrug .
    ?ddrug drugbank:mechanismOfAction ?moa .
    FILTER regex(?trial_status, "active", "i") .
    FILTER regex(?condition_name, "alzheimer", "i") .
}
```

## Results

name	moa
placebo	Alkylating agents work by three different mechanisms: 1) attachment of alkyl groups to DNA bases, resulting in the DNA being fragmented by repair enzymes in their attempts to replace the alkylated bases, preventing DNA synthesis and RNA transcription from the affected DNA, 2) DNA damage via the formation of cross-links (bonds between atoms in the DNA) which prevents DNA from being separated for synthesis or transcription, and 3) the induction of mispairing of the nucleotides leading to mutations.
rivastigmine	Rivastigmine increases the concentration of acetylcholine through reversible inhibition of its hydrolysis by cholinesterase. This acts to enhance cholinergic function.

-----

Q6. Are there any AD patients without the APOE4 allele as these would be good candidates for the clinical trial involving Bapineuzumab?

#### **SPARQL**

PREFIX trans: <tag:eric@w3.org:2009/tmo/translator#>

PREFIX foaf: <a href="http://xmlns.com/foaf/0.1/">http://xmlns.com/foaf/0.1/>

#### Results

name	patient
Benny Smith	http://tag:eric@w3.org:2009/pchr/3#me
Georg Steffen Möller	http://tag:eric@w3.org:2009/pchr/5#me

-----

Q7. What active trials are ongoing that would be a good fit for Patient 2?

#### **SPARQL**

```
PREFIX linkedct: <a href="http://data.linkedct.org/resource/linkedct/">http://data.linkedct.org/resource/linkedct/</a>
PREFIX trans: <tag:eric@w3.org:2009/tmo/translator#>
SELECT DISTINCT(?trial) ?trial_condition_name ?trial_title
WHERE {
  ?trial linkedct:brief title ?trial title .
  ?trial linkedct:overall status ?status .
  FILTER regex(?status, "Active") .
  ?trial linkedct:condition ?trial condition .
  ?trial_condition linkedct:condition_name ?trial_condition_name .
  FILTER (
     regex(?trial condition name, "alzheimer", "i")
     || regex(?trial_condition_name, "anxiety", "i")
     || regex(?trial_condition_name, "hypercholesterolaemia", "i")
     || regex(?trial_condition_name, "depression", "i")
     || regex(?trial_condition_name, "mild cognitive impairement", "i")
     || regex(?trial_condition_name, "myocardial infarction", "i")
```

### Results

trial	trial_condition_name	trial_title
http://data.linkedct.org/resource	* Myocardial Infarction	Rural Andhra Pradesh
/trials/NCT00263393		Cardiovascular Prevention
		Study (RAPCAPS)
http://data.linkedct.org/resource	Acute Anterior Wall Myocardial	Autologous Stem Cell
/trials/NCT00199823	Infarction	Transplantation in Acute
,		Myocardial Infarction
http://data.linkedct.org/resource	Acute Myocardial Infarction	HMO Research Network
/trials/NCT00211172	/ todio wyddaidi midiolion	CERT: Acute Myocardial
711010/140100211172		Infarction
http://data.linkedct.org/resource	Acute Myocardial Infarction	CARISMA : Cardiac
/trials/NCT00145119	Acute Myocardiai illiarction	Arrhythmias and Risk
/tilais/NC100143119		Stratification After
http://data liaka dat ang/gasassas	A suita Mina sandial Information	MyoCardial Infarction
http://data.linkedct.org/resource	Acute Myocardial Infarction	IRIS: Use of Implantable
/trials/NCT00157768		Defibrillator in High-Risk
		Patients Early After Acute
		Myocardial Infarction
http://data.linkedct.org/resource	Acute Myocardial Infarction	Norwegian Study on
/trials/NCT00161005		District Treatment of ST-
		Elevation Myocardial
		Infarction
http://data.linkedct.org/resource	Acute Myocardial Infarction	Clinical Outcomes of
/trials/NCT00419198		Angioplasty
		Postconditioning
http://data.linkedct.org/resource	Acute Myocardial Infarction	Effect of Intravenous
/trials/NCT00430885		Immunglobulin (IVIG) After
		Myocardial Infarction
http://data.linkedct.org/resource	Acute Myocardial Infarction	Left Ventricular Function
/trials/NCT00623272	<b>,</b>	Assessment After Acute
,		Myocardial Infarction:
		Comparison Between Bi-,
		Three-Dimensional and
		Cardiac Magnetic
		Resonance
http://data.linkedct.org/resource	Acute Myocardial Infarction	Intracoronary Stem Cell
/trials/NCT00669227	/ Nodic Myocardiai infarction	Therapy in Patients With
/tilal3/110 i 00003221		Acute Myocardial Infarction
http://dota-linkadat-arg/raga::::a	Aguto Myogardial Inforction	(SCAMI)
http://data.linkedct.org/resource	Acute Myocardial Infarction	PROTECT : Pacing to
/trials/NCT00409604		Protect Heart for Damage
		From Blocked Heart Vessel
		and From re-Opening
		Blocked Vessel(s)
http://data.linkedct.org/resource	Acute Myocardial Infarction	Titanium Nitride Oxide
/trials/NCT00495664		Coated Stents and
		Paclitaxel Eluting Stents for
		Acute Myocardial Infarction
http://data.linkedct.org/resource	Acute Myocardial Infarction	Counterpulsation Reduces

/trials/NCT00833612	(AMI)	Infarct Size Pre-PCI for
http://data.linkedct.org/resource /trials/NCT00399776	Adolescent Depression	AMI Bone Mineral Content and Bone Metabolism in Adolescents on Antipsychotic Therapy
http://data.linkedct.org/resource /trials/NCT00009191	Alzheimer Disease	The Depression in Alzheimer's Disease Study (DIADS)
http://data.linkedct.org/resource/trials/NCT00094913	Alzheimer Disease	PET Changes in Alzheimer's Disease (AD)
http://data.linkedct.org/resource /trials/NCT00119561	Alzheimer Disease	Testing the Effectiveness of Telephone Support for Dementia Caregivers
http://data.linkedct.org/resource /trials/NCT00040378	Alzheimer Disease	Prevention of Alzheimer's Disease by Vitamin E and Selenium (PREADVISE)
http://data.linkedct.org/resource/trials/NCT00056329	Alzheimer Disease	Vitamin E in Aging Persons With Down Syndrome
http://data.linkedct.org/resource/trials/NCT00071721	Alzheimer Disease	Valproate in Dementia (VALID)
http://data.linkedct.org/resource /trials/NCT00088673	Alzheimer Disease	Evaluation of 3APS in Patients With Mild to Moderate Alzheimer's Disease
http://data.linkedct.org/resource/trials/NCT00291161	Alzheimer Disease	Partners in Dementia Care
http://data.linkedct.org/resource /trials/NCT00441987	Alzheimer Disease	Study Evaluating the Safety and Pharmacokinetics of a Single Dose of GSI-953
http://data.linkedct.org/resource /trials/NCT00506415	Alzheimer Disease	Comparative Efficacy, Safety, and Tolerability of Rivastigmine 10 and 15 cm2 Patch in Patients With Alzheimer's Disease (AD) Showing Cognitive Decline
http://data.linkedct.org/resource /trials/NCT00547560	Alzheimer Disease	Study Evaluating Multiple Doses of GSI-953 Within the Elderly Population
http://data.linkedct.org/resource /trials/NCT00568776	Alzheimer Disease	ELND005 in Patients With Mild to Moderate Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00605059	Alzheimer Disease	Evaluation of [123I] AV94 and SPECT as a Marker of Beta-Amyloid Protein Deposition in Subjects With Alzheimer Disease in Comparison to Healthy

		Subjects
http://data.linkedct.org/resource /trials/NCT00470418	Alzheimer Disease	Development of NIC5-15 in the Treatment of Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00599469	Alzheimer Disease	Far Infrared Treatment for Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00733863	Alzheimer Disease	Safety and Tolerability of Repeated Subcutaneous Injections of CAD106 in Mild Alzheimer's Patients.
http://data.linkedct.org/resource /trials/NCT00462917	Alzheimer Disease	REVEAL III: Risk Evaluation and Education for Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00605046	Alzheimer Disease	Evaluation of [123I] AV151 and SPECT as a Marker of Beta-Amyloid Protein Deposition in Subjects With Alzheimer Disease in Comparison to Healthy Subjects
http://data.linkedct.org/resource /trials/NCT00824967	Alzheimer Disease	Non Pharmacological Management of Behavioural Symptoms in Nursing Home
http://data.linkedct.org/resource /trials/NCT00979316	Alzheimer Disease	Effect on the Electrocardiographic QT Interval Corrected for Heart Rate (QTc) in Healthy Subjects
http://data.linkedct.org/resource /trials/NCT00627848	Alzheimer' Disease	Rivastigmine in Mild Alzheimer's Disease, FMRI Study
http://data.linkedct.org/resource /trials/NCT00031018	Alzheimer's Disease	Prevention of Cognitive Decline in Alzheimer's Disease by Ingested Interferon Alpha
http://data.linkedct.org/resource /trials/NCT00087789	Alzheimer's Disease	CERE-110 in Subjects With Mild to Moderate Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00348140	Alzheimer's Disease	Rosiglitazone (Extended Release Tablets) As Adjunctive Therapy In Subjects With Mild To Moderate Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00086138	Alzheimer's Disease	Depression in Alzheimer's Disease-2
http://data.linkedct.org/resource /trials/NCT00106899	Alzheimer's Disease	ADNI: Alzheimer's Disease Neuroimaging Initiative

http://data.linkedct.org/resource/trials/NCT00142324	Alzheimer's Disease	CALM-AD
http://data.linkedct.org/resource /trials/NCT00217763	Alzheimer's Disease	European Study of 3APS in Mild to Moderate Alzheimer's Disease Patients
http://data.linkedct.org/resource /trials/NCT00239746	Alzheimer's Disease	BONSAI: Biomarkers of Nonsteroidal Anti- Inflammatories
http://data.linkedct.org/resource /trials/NCT00259480	Alzheimer's Disease	Project ACT: Advancing Caregiving Techniques
http://data.linkedct.org/resource/trials/NCT00267124	Alzheimer's Disease	Brain Aging Project Kansas University
http://data.linkedct.org/resource /trials/NCT00299988	Alzheimer's Disease	Phase II Study of Intravenous Immunoglobulin (IVIg) for Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00314912	Alzheimer's Disease	Open-Label Extension of the Phase III Study With Tramiprosate (3APS) in Patients With Mild to Moderate Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00319891	Alzheimer's Disease	Computer-Based Training for Mild Alzheimer's Disease
http://data.linkedct.org/resource/trials/NCT00010803	Alzheimer's Disease	Ginkgo Biloba Prevention Trial in Older Individuals
http://data.linkedct.org/resource /trials/NCT00174525	Alzheimer's Disease	Safety Study of Passive Immunization for Patients With Mild to Moderate Alzheimer's Disease
http://data.linkedct.org/resource/trials/NCT00259467	Alzheimer's Disease	Project TAP: Tailored Activities Project
http://data.linkedct.org/resource /trials/NCT00348309	Alzheimer's Disease	Rosiglitazone (Extended Release Tablets) As Adjunctive Therapy For Subjects With Mild To Moderate Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00377715	Alzheimer's Disease	Double-Blind, Placebo- Controlled Study of Oral Dimebon in Subjects With Mild to Moderate Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00561392	Alzheimer's Disease	Clinical Effectiveness of 10 cm2 Rivastigmine Patch in Patients With Alzheimer's Disease

http://data.linkedct.org/resource /trials/NCT00622713  http://data.linkedct.org/resource /trials/NCT00626613	Alzheimer's Disease  Alzheimer's Disease	A 24 Week, Multicenter, Open, Evaluation of the Clinical Effectiveness of the Once-Daily 10 cm2 Rivastigmine Patch Formulation in Patients With Probable Alzheimer's Disease (EXTRA) The Relationship Between Risperdal Treatment and Quality of Life in Patients With Alzheimer's Disease and Behavioural and Psychological Symptoms of Dementia (BPSD)
http://data.linkedct.org/resource /trials/NCT00675623	Alzheimer's Disease	A Safety and Efficacy Study of Oral Dimebon in Patients With Mild-To- Moderate Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00684944	Alzheimer's Disease	Open Label Study of TRx0014 in Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00381238	Alzheimer's Disease	Open-Label Extension Assessing Long-Term Safety Of Rosiglitazone In Subjects With Mild To Moderate Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00388544	Alzheimer's Disease	Enhancing Quality of Life for Nursing Home Residents
http://data.linkedct.org/resource /trials/NCT00440050	Alzheimer's Disease	DHA (Docosahexaenoic Acid), an Omega 3 Fatty Acid, in Slowing the Progression of Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00480701	Alzheimer's Disease	Evaluation of 123-I lodobenzovesamicol (IBVM) and SPECT Imaging of Healthy Subjects and Patients With Alzheimer's Disease
http://data.linkedct.org/resource /trials/NCT00546767	Alzheimer's Disease	Home-Based Assessment for Alzheimer Disease Prevention
http://data.linkedct.org/resource /trials/NCT00566501	Alzheimer's Disease	Open-Label Extension Study of 23 mg Donepezil SR in Patients With

	T	
		Moderate to Severe
	ALL: LE:	Alzheimer's Disease
http://data.linkedct.org/resource	Alzheimer's Disease	Memory and Insulin in
/trials/NCT00581867	A11.	Early Alzheimer's Disease
http://data.linkedct.org/resource	Alzheimer's Disease	Evaluation of Programs of
/trials/NCT00627029		Coordinated Care and
		Disease Management
http://data.linkedct.org/resource	Alzheimer's Disease	Study of Combination
/trials/NCT00704782		Therapy With Dimebon and
		Donepezil (Aricept) in
		Patients With Alzheimer's
		Disease
http://data.linkedct.org/resource	Alzheimer's Disease	SNIFF 120: Study of Nasal
/trials/NCT00438568		Insulin to Fight
		Forgetfulness (120 Days)
http://data.linkedct.org/resource	Alzheimer's Disease	Comparison of 23 mg
/trials/NCT00478205		Donepezil Sustained
		Release (SR) to 10 mg
		Donepezil Immediate
		Release (IR) in Patients
		With Moderate to Severe
		Alzheimer's Disease
http://data.linkedct.org/resource	Alzheimer's Disease	Safety and Tolerability of
/trials/NCT00531609		Long-Term Treatment by
		Rivastigmine Transdermal
		Patch in Patients With
		Probable Alzheimer's
		Disease
http://data.linkedct.org/resource	Alzheimer's Disease	Effect of LY450139 on the
/trials/NCT00594568		Long Term Progression of
		Alzheimer's Disease
http://data.linkedct.org/resource	Alzheimer's Disease	AAB-001 (Bapineuzumab)
/trials/NCT00606476		Open-Label, Long-Term
		Extension Study in Patients
		With Mild to Moderate
		Alzheimer's Disease
http://data.linkedct.org/resource	Alzheimer's Disease	LifeZig Personalized
/trials/NCT00759863		Reminiscence Video With
		Slideshows and Music for
		Individuals With
	l All I i I B:	Alzheimer's and Dementia
http://data.linkedct.org/resource	Alzheimer's Disease	A Study to Test the
/trials/NCT00777608		Performance of the
		CogState Computerized
		Neuropsychological Battery
		in Patients With
		Alzheimer's Disease.
http://data.linkedct.org/resource	Alzheimer's Disease	Non-Interventional Study
/trials/NCT00889603		With Aricept® Evess

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http://data.linkedct.org/resource	Alzheimer's Disease	Safety and Tolerability of
/trials/NCT00795418		Repeated Subcutaneous
		Injections of CAD 106 in
		Mild Alzheimer's Patients
http://data.linkedct.org/resource	Alzheimer's Disease	A Phase II, Multicenter,
/trials/NCT00810147		Double Blind, Placebo-
,		Controlled Safety,
		Tolerability Study of BMS-
		708163 in Patients With
		Mild to Moderate
	A	Alzheimer's Disease
http://data.linkedct.org/resource	Alzheimer's Disease	A Study to Evaluate dASL
/trials/NCT00757939		Imaging as a Biomarker for
		Alzheimer's Disease
http://data.linkedct.org/resource	Alzheimer's Disease	Safety and Tolerability of
/trials/NCT00829816		Dimebon in Patients on
		Memantine, and
		Memantine Plus Donepezil
http://data.linkedct.org/resource	Alzheimer's Disease	Blood Gene Expression
/trials/NCT00880347	7	Signature in Patients
711010711010000017		Diagnosed With Probable
		Alzheimer's Disease
		Compared to Patients
		Suffering From Other
		Types of Dementia
http://data.linkedct.org/resource	Alzheimer's Disease	Early-onset and Late-onset
/trials/NCT00987090		Sporadic Alzheimer's
		Disease (AD)
http://data.linkedct.org/resource	Alzheimer's Disease	A Study In Healthy
/trials/NCT00988624		Volunteers To Estimate
		The Pharmacokinetics Of
		Four Modified-Release
		Formulations Of Dimebon
		(Latrepirdine)
http://data.linkedct.org/resource	Anterior Wall Myocardial	EFFECT of Insulin
/trials/NCT00670228	·	
/111a15/19C100070220	Infarction	Glargine and Apidra in Patients With Acute ST
		Elevation MI
http://data.linkedct.org/resource	Anxiety	Cognitive and Health
/trials/NCT00303147		Benefits of Expressive
		Writing for Family
		Caregivers Under Stress
http://data.linkedct.org/resource	Anxiety	The Feelings Club:
/trials/NCT00164203		Evaluating a School-Based
		Intervention for Children at
		Risk for Depression and
		Anxiety Disorders
http://data.linkedct.org/resource	Anxiety	HINCAB-Study. Home
	Alixiety	
/trials/NCT00245817		Based Intervention in

		Nursing for Coronary
		Artery Bypass Patients
http://data.linkedct.org/resource /trials/NCT00108277	Anxiety	Respiratory Dysregulation and Breathing Training in Anxious Outpatients
http://data.linkedct.org/resource /trials/NCT00152763	Anxiety	Psychological Support for Patients With an Implantable Cardioverter Defibrillator
http://data.linkedct.org/resource /trials/NCT00183326	Anxiety	Treating Post Traumatic Stress Disorder in Children Exposed to Domestic Violence
http://data.linkedct.org/resource /trials/NCT00302744	Anxiety	Effects of Psilocybin in Advanced-Stage Cancer Patients With Anxiety
http://data.linkedct.org/resource /trials/NCT00360451	Anxiety	Effectiveness of School- Based Cognitive Behavioral Therapy in Preventing Depression in Young Adolescents
http://data.linkedct.org/resource /trials/NCT00578214	Anxiety	Safety and Efficacy of Oral Midazolam for Perioperative Anxiety Relief of Patients Undergoing Mohs Micrographic Surgery
http://data.linkedct.org/resource /trials/NCT00634608	Anxiety	Integrating Targeted MedlinePlus Health Prescriptions Into Clinic Practice Workflow
http://data.linkedct.org/resource /trials/NCT00641940	Anxiety	Girls in Transition Study: Helping Girls Enter the Teenage Years
http://data.linkedct.org/resource/trials/NCT00841022	Anxiety	Information and Anaesthesia in Paediatrics
http://data.linkedct.org/resource /trials/NCT00114127	Anxiety Disorder	Duloxetine for Social Anxiety Disorder: Prediction of Long Term Outcome
http://data.linkedct.org/resource /trials/NCT00225459	Anxiety Disorder	Does Spiritual/Religious Commitment Mediate the Relationship Between Mood Variability and Suicidal Ideation.
http://data.linkedct.org/resource /trials/NCT00438685	Anxiety Disorder	Outpatient Adolescent Treatment for Comorbid Substance Use and Internalizing Disorders

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http://data.linkedct.org/resource /trials/NCT00483639	Anxiety Disorder	Study of Anxiety and Avoidance of Others in Patients Previously Treated for Head and Neck Cancer
http://data.linkedct.org/resource /trials/NCT00373022	Anxiety Disorder	Moderate Physical Activity in Helping Patients Recover Physically and Emotionally From Stage II Or Stage III Colorectal Cancer
http://data.linkedct.org/resource /trials/NCT00158327	Anxiety Disorders	Telephone-Based Care Management Program for Individuals With Anxiety Disorders
http://data.linkedct.org/resource/trials/NCT00052078	Anxiety Disorders	Child and Adolescent Anxiety Disorders (CAMS)
http://data.linkedct.org/resource /trials/NCT00248612	Anxiety Disorders	Psychosocial and Medication Treatment for Anxiety in Alcoholism
http://data.linkedct.org/resource /trials/NCT00118001	Anxiety Disorders	Psychotherapy of Generalized Anxiety Disorder
http://data.linkedct.org/resource /trials/NCT00149760	Anxiety Disorders	Effectiveness of Cognitive- Affective Behavior Therapy for the Treatment of Somatization Disorder
http://data.linkedct.org/resource /trials/NCT00280670	Anxiety Disorders	CBT for Comorbid Anxiety Disorders in Children With Autism, Asperger Syndrome, or PDD-NOS
http://data.linkedct.org/resource /trials/NCT00557648	Anxiety Disorders	Evaluating the Effectiveness of Early Cognitive Behavioral Therapy With or Without Parental Involvement in Treating Children With Anxiety Disorders
http://data.linkedct.org/resource /trials/NCT00446407	Anxiety Disorders	Evaluating the Benefits and Affordability of a Program to Improve the Care of Common Mental Disorders in Primary Care
http://data.linkedct.org/resource /trials/NCT00395213	Anxiety Disorders	Antidepressant Safety in Kids Study
http://data.linkedct.org/resource /trials/NCT00384332	Bipolar Depression	Medication, Weight Gain and GI Hormones
http://data.linkedct.org/resource/trials/NCT00457054	Bipolar Depression	Functional Connectivity in Mood Regulating Circuit In

		Bipolar Depression and Mania
http://data.linkedct.org/resource/trials/NCT00544544	Bipolar Depression	Riluzole in the Treatment of Bipolar Depression
http://data.linkedct.org/resource /trials/NCT00562861	Bipolar Depression	Treatment for Bipolar Depression: Acute & Prophylactic Efficacy With Citalopram
http://data.linkedct.org/resource /trials/NCT00204503	Bipolar I or II Depression and Alcohol Abuse or Dependence	Open-Label Depakote ER in Patients With Bipolar I or II Depression and Alcohol Abuse or Dependence
http://data.linkedct.org/resource /trials/NCT00596986	Chronic Depression	Getting Biased Treatment Study: How Psychotherapy and Antidepressants Change Brain Activity in Chronic Depression
http://data.linkedct.org/resource/trials/NCT00259454	Dementia, Alzheimer Type	Project COPE:Managing Dementia at Home
http://data.linkedct.org/resource /trials/NCT00009191	Depression	The Depression in Alzheimer's Disease Study (DIADS)
http://data.linkedct.org/resource /trials/NCT00019643	Depression	Factors Affecting Weight Gain in Women Receiving Adjuvant Chemotherapy for Breast Cancer
http://data.linkedct.org/resource /trials/NCT00037024	Depression	Study of Health Promotion in Patients With Early-Stage Breast or Prostate Cancer
http://data.linkedct.org/resource /trials/NCT00043550	Depression	Treatments for Depression: Drug Versus Psychotherapy
http://data.linkedct.org/resource /trials/NCT00052091	Depression	Therapy for Depressed Elders With Thought Problems
http://data.linkedct.org/resource /trials/NCT00057551	Depression	Research Evaluating the Value of Augmenting Medication With Psychotherapy (REVAMP)
http://data.linkedct.org/resource/trials/NCT00061698	Depression	Treatment for Depressed Preadolescent Girls
http://data.linkedct.org/resource /trials/NCT00068458	Depression	Survival TRaining for ENhancing Total Health (STRENGTH): Distance Medicine-Based Exercise and Diet in Preventing Body Composition Change in Women Receiving

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		Chemotherapy for Stage I,
		Stage II, or Stage IIIA
		Breast Cancer
http://data.linkedct.org/resource	Depression	Modafinil in Treating
/trials/NCT00112515		Fatigue in Patients With
		Cancer
http://data.linkedct.org/resource	Depression	Deep Brain Stimulation for
/trials/NCT00122031		Treatment-Refractory
		Major Depression
http://data.linkedct.org/resource	Depression	S-Citalopram for the
/trials/NCT00136318		Prevention of PEGASYS-
		Induced Depression
http://data.linkedct.org/resource	Depression	Magnetic Brain Stimulation
/trials/NCT00149838	•	for the Treatment of Adult
		Depression
http://data.linkedct.org/resource	Depression	Mental Health Symptoms
/trials/NCT00166075	r	and Intimate Partner
, maio, recorded to		Violence
http://data.linkedct.org/resource	Depression	MRI Imaging of
/trials/NCT00178880		Chronobiologic
711010/110100170000		Abnormalities in
		Depression
http://data.linkedct.org/resource	Depression	Memantine Treatment for
/trials/NCT00183729	Depression	Improving Rehabilitation
/IIIais/NC100103729		Outcomes and Preventing
		Depression in Older Adults
http://dota.linka.det.org/recourse	Depression	Mifepristone in Refractory
http://data.linkedct.org/resource	Depression	•
/trials/NCT00186056	Danvasian	Depression
http://data.linkedct.org/resource	Depression	AIMHI NT Relapse
/trials/NCT00192582		Prevention Trial
http://data.linkedct.org/resource	Depression	Paroxetine for the
/trials/NCT00209118		Treatment of Interferon
		Related Side Effects for
		Hepatitis C
http://data.linkedct.org/resource	Depression	Beyond Ageing Project: A
/trials/NCT00214682		Study for the Prevention of
		Depression
http://data.linkedct.org/resource	Depression	Effectiveness of
/trials/NCT00231959		Pramipexole for Treatment-
		Resistant Depression
http://data.linkedct.org/resource	Depression	Medications for the
/trials/NCT00234312		Treatment of Dysthymic
		Disorder and Double
		Depression
http://data.linkedct.org/resource	Depression	Insulin Resistance in
/trials/NCT00242619		Patients With Mood
		Disorder
http://data.linkedct.org/resource	Depression	Study of Treatments for
/trials/NCT00280319		Depression Among
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		Displaced Adolescents in
http://data.linkedct.org/resource	Depression	Northern Uganda.  A Quality of Life Study in
/trials/NCT00298805	Doprossion	Patients With Migraines
http://data.linkedct.org/resource /trials/NCT00316303	Depression	Effectiveness of the Screen, Test, Immunize, Reduce Risk, and Refer (STIRR) Intervention for People With Both a Mental and Substance Abuse Disorder
http://data.linkedct.org/resource /trials/NCT00026637	Depression	Depression and Health Outcomes in Refractory Epilepsy
http://data.linkedct.org/resource /trials/NCT00044174	Depression	Dyadic Interactions in Depressed and Non- Depressed Mothers and Their Infants
http://data.linkedct.org/resource /trials/NCT00057577	Depression	Preventing the Recurrence of Depression With Drugs and Psychotherapy
http://data.linkedct.org/resource/trials/NCT00071162	Depression	Genetics of Fibromyalgia
http://data.linkedct.org/resource /trials/NCT00076245	Depression	Cognitive Behavioral Therapy for the Treatment of Seasonal Affective Disorder (SAD)
http://data.linkedct.org/resource/trials/NCT00086138	Depression	Depression in Alzheimer's Disease-2
http://data.linkedct.org/resource /trials/NCT00103415	Depression	Trial Investigating the Effect of Different Exercise Forms on Depression
http://data.linkedct.org/resource /trials/NCT00105573	Depression	Interventions for Depressed Low Income Mothers and Their Infants
http://data.linkedct.org/resource /trials/NCT00116857	Depression	Omega-3 Fatty Acids to Improve Depression and Reduce Cardiovascular Risk Factors
http://data.linkedct.org/resource/trials/NCT00129480	Depression	Improving Chronic Pain Treatment in Primary Care
http://data.linkedct.org/resource /trials/NCT00162916	Depression	Antidepressant Maintenance in Traumatic Brain Injury
http://data.linkedct.org/resource /trials/NCT00164203	Depression	The Feelings Club: Evaluating a School-Based Intervention for Children at Risk for Depression and Anxiety Disorders

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http://data.linkedct.org/resource	Depression	Organized Self-
/trials/NCT00169286		Management Support for
		Chronic Depression
http://data.linkedct.org/resource	Depression	Dynamic Measures of
/trials/NCT00178828		Neurochemistry in Mood
		Disorders
http://data.linkedct.org/resource	Depression	Depression Prevention
/trials/NCT00183417		Program for Adolescents
http://data.linkedct.org/resource	Depression	Preventing Depression
/trials/NCT00183560		Relapse With Mindfulness-
		Based Cognitive Therapy
http://data.linkedct.org/resource	Depression	Brain Energy Metabolism
/trials/NCT00183677		in Individuals With Major
		Depressive Disorder
		Receiving Escitalopram
http://data.linkedct.org/resource	Depression	The Trauma Recovery and
/trials/NCT00183716		Empowerment Model for
		Treating Post-Traumatic
		Stress Disorder in Women
http://data.linkedct.org/resource	Depression	Cognitive Therapy Versus
/trials/NCT00218764		Medication Treatment for
		Preventing Depression
		Relapse
http://data.linkedct.org/resource	Depression	Epidemiology of
/trials/NCT00241761	'	Depression and Heart
		Failure in Aging
http://data.linkedct.org/resource	Depression	HINCAB-Study. Home
/trials/NCT00245817		Based Intervention in
		Nursing for Coronary
		Artery Bypass Patients
http://data.linkedct.org/resource	Depression	Improving Sleep and
/trials/NCT00247624		Psychological Functioning
		in People With Depression
		and Insomnia
http://data.linkedct.org/resource	Depression	Depression and Traumatic
/trials/NCT00254007		Brain Injury
http://data.linkedct.org/resource	Depression	Comparison of Three
/trials/NCT00258752		Therapy-Based
		Interventions for
		Preventing Depression in
		Adolescents
http://data.linkedct.org/resource	Depression	Bupropion For Reducing
/trials/NCT00285584		High-Risk Behaviors in
		Depressed Men Who Have
		Sex With Men (MSM)
http://data.linkedct.org/resource	Depression	HIV Translating Initiatives
/trials/NCT00304915	2 3 5 1 3 3 3 1 1	for Depression Into
,		Effective Solutions
http://data.linkedct.org/resource	Depression	Study Comparing
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/trials/NCT00205565		Outcomes for Detients With
/trials/NCT00305565		Outcomes for Patients With
		Treatment Resistant
		Depression Who Receive
		VNS Therapy at Different
		Doses
http://data.linkedct.org/resource	Depression	Naltrexone & SSRI in
/trials/NCT00338962		Alcoholics With
		Depression/PTSD
http://data.linkedct.org/resource	Depression	Pharmacological
/trials/NCT00027378		Intervention Project
		(Fluoxetine)
http://data.linkedct.org/resource	Depression	Treatment for Post-Stroke
/trials/NCT00029172		Depression
http://data.linkedct.org/resource	Depression	Preventing Post-Stroke
/trials/NCT00071643	B oprocession	Depression
http://data.linkedct.org/resource	Depression	Effects of Therapist
/trials/NCT00073359	Depression	Behavior on the Treatment
/tilais/NC100073339		
http://data liaka dat ang/gasassos	Dannasian	of Depressed Adolescents
http://data.linkedct.org/resource	Depression	Prevention of Depression
/trials/NCT00073671		in At-Risk Adolescents
http://data.linkedct.org/resource	Depression	Reducing Symptoms of
/trials/NCT00074789		Depression in Low-Income
		Mothers
http://data.linkedct.org/resource	Depression	Adding Exercise to
/trials/NCT00076258		Antidepressant Medication
		Treatment for Depression
http://data.linkedct.org/resource	Depression	Medication Treatment for
/trials/NCT00076622		Depression in Nursing
		Home Residents
http://data.linkedct.org/resource	Depression	Effectiveness of
/trials/NCT00091962	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Depression Treatment
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		Bypass Surgery
http://data.linkedct.org/resource	Depression	Cognitive Therapy for
	Depression	
/trials/NCT00118404	Denvession	Recurrent Depression
http://data.linkedct.org/resource	Depression	Stepped Care for
/trials/NCT00118430		Depression and
		Musculoskeletal Pain
http://data.linkedct.org/resource	Depression	DECARD: Study of
/trials/NCT00140257		Escitalopram in the
		Prevention of Depression
		in Patients With Acute
		Coronary Syndrome
http://data.linkedct.org/resource	Depression	Psychological Support for
/trials/NCT00152763		Patients With an
		Implantable Cardioverter
		Defibrillator
http://data.linkedct.org/resource	Depression	Treatments for
/trials/NCT00159965	Dopression	
/tilais/INC 100 109900		Psychogenic Nonepileptic

		Seizures (NES)
http://data.linkedct.org/resource /trials/NCT00177294	Depression	Augmenting Antidepressant Treatment With Interpersonal Psychotherapy for Treating Late-Life Depression
http://data.linkedct.org/resource /trials/NCT00177671	Depression	Antidepressant Medication Plus Donepezil for Treating Late-Life Depression
http://data.linkedct.org/resource /trials/NCT00178906	Depression	Acoustical Properties of Speech as Indicators of Suicidal Risk
http://data.linkedct.org/resource /trials/NCT00181961	Depression	Safety and Effectiveness Study of Maca Root to Treat Antidepressant- Induced Sexual Dysfunction
http://data.linkedct.org/resource/trials/NCT00182078	Depression	A Study of Sertraline to Prevent PTSD
http://data.linkedct.org/resource /trials/NCT00183326	Depression	Treating Post Traumatic Stress Disorder in Children Exposed to Domestic Violence
http://data.linkedct.org/resource/trials/NCT00206362	Depression	Ability to Cope With Type 1 Diabetes
http://data.linkedct.org/resource /trials/NCT00223652	Depression	Telephone Administered Psychotherapy for the Treatment of Depression for Veterans in Rural Areas
http://data.linkedct.org/resource /trials/NCT00226642	Depression	Treatment of Mild and Subthreshold Depressive Disorders
http://data.linkedct.org/resource /trials/NCT00241774	Depression	Coronary Heart Disease Incidence: Depression & Inflammation Risk
http://data.linkedct.org/resource/trials/NCT00279370	Depression	Antidepressant Use During Pregnancy
http://data.linkedct.org/resource /trials/NCT00285818	Depression	Mifepristone Used to Treat Patients With Non- Psychotic Major Depressive Disorder Referred for Bilateral Electroconvulsive Therapy (ECT)
http://data.linkedct.org/resource /trials/NCT00316290	Depression	Integrated Parent Training for Treating Depression in Mothers of Children With Attention Deficit Hyperactivity Disorder

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http://data.linkedct.org/resource	Depression	Personality-Targeted
/trials/NCT00344474		Interventions for
		Adolescent Alcohol Misuse
http://data.linkedct.org/resource	Depression	Effectiveness of School-
/trials/NCT00360451		Based Cognitive
		Behavioral Therapy in
		Preventing Depression in
		Young Adolescents
http://data.linkedct.org/resource	Depression	Healthy Outcomes of
/trials/NCT00381823		Pregnancy Education
http://data.linkedct.org/resource	Depression	Screening and Treatment
/trials/NCT00430404	Doprocolori	of Depression in the
711013/140100404		Community
http://data.linkedct.org/resource	Depression	Nurse-Led Case
/trials/NCT00468676	Depression	
/mais/NC100400070		Management for Diabetes
		and Cardiovascular
		Disease Patients With
		Depression
http://data.linkedct.org/resource	Depression	LABS-3 Psychosocial
/trials/NCT00582595		
http://data.linkedct.org/resource	Depression	Effectiveness of Internet-
/trials/NCT00601393		Based Cognitive
		Behavioral Therapy for
		Treating Mothers With
		Depression
http://data.linkedct.org/resource	Depression	Study Evaluating
/trials/NCT00619619		Desvenlafaxine Succinate
		Sustained-Release (DVS
		SR) in the Treatment of
		Child and Adolescent
		Outpatients With Major
		Depressive Disorder
http://data.linkedct.org/resource	Depression	Diabetes and Depression
/trials/NCT00624013	Doprossion	in Hispanics and African
/ (11013/140 1 000240 13		Americans: Treatment of
		Depression With Sertraline
		and Its Effect on A1c and
		Quality of Life
http://data.linkedct.org/resource	Depression	Effectiveness of Cultural
/trials/NCT00664885		Sensitive Collaborative
		Treatment of Depressed
		Chinese
http://data.linkedct.org/resource	Depression	Self System Therapy and
/trials/NCT00672880		Chronic Low Back Pain
		Trial
http://data.linkedct.org/resource	Depression	Facilitating Implementation
/trials/NCT00676962	-,	of Cognitive Behavioral
		Therapy in Primary Care
		and Community Clinics
		and Community Cillics

http://data.linkedct.org/resource	Depression	Moderate Physical Activity
/trials/NCT00373022		in Helping Patients
		Recover Physically and
		Emotionally From Stage II
		Or Stage III Colorectal
		Cancer
http://data.linkedct.org/resource	Depression	PACEPro - Mood
/trials/NCT00416221		Management Pilot
http://data.linkedct.org/resource	Depression	Interpersonal Therapy-
/trials/NCT00436150		Based Treatment to
		Prevent Postpartum
		Depression in Adolescent
		Mothers
http://data.linkedct.org/resource	Depression	Evaluating the Benefits and
/trials/NCT00446407	·	Affordability of a Program
		to Improve the Care of
		Common Mental Disorders
		in Primary Care
http://data.linkedct.org/resource	Depression	Fluoxetine and Bupropion
/trials/NCT00449007	•	to Treat Patients With
		Depression and Alcoholism
http://data.linkedct.org/resource	Depression	PEARL Intervention to
/trials/NCT00459329		Reduce Depression
		Among Adults With
		Epilepsy
http://data.linkedct.org/resource	Depression	Reducing Depressive
/trials/NCT00495768		Symptoms During HCV
,		Therapy: A Randomized
		Study
http://data.linkedct.org/resource	Depression	Individualized Exercise
/trials/NCT00499759		Programs for Patients
7.1.4.6,11.6.1.6.1.6.1		Receiving Chemotherapy
		for Newly Diagnosed Acute
		or Relapsed Myeloid
		Leukemia or Lymphoblastic
		Leukemia
http://data.linkedct.org/resource	Depression	Effect of Antidepressants
/trials/NCT00611975	23010001011	on Sex Hormone Levels
/ 11010/1401000110/10		and Sexual Functioning
http://data.linkedct.org/resource	Depression	Serotonin Transporter
/trials/NCT00456430	Depression	Genetic Variation and
/ III III   I   I   I   I   I   I   I		Amygdalar Activation
		Correlates of
		Antidepressant Response
http://data.linkedct.org/resource	Depression	Physical and Mental
/trials/NCT00499785	Dehression	Assessment of Older
/แเลเอ/INC I 004337 00		
		Patients With Newly
		Diagnosed Acute Myeloid
		Leukemia

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http://data.linkedct.org/resource /trials/NCT00573547	Depression	Open Label Trial of Fluoxetine for the Treatment of Depression in Patients With End Stage Renal Disease
http://data.linkedct.org/resource /trials/NCT00574145	Depression	Healing Touch in Treating Fatigue in Women Undergoing Radiation Therapy for Breast Cancer
http://data.linkedct.org/resource /trials/NCT00578318	Depression	African American Knowledge Optimized for Mindfully Healthy Adolescents
http://data.linkedct.org/resource /trials/NCT00594711	Depression	Monoamine Transporter Function and Autonomic Regulation During Psychodynamic Psychotherapy
http://data.linkedct.org/resource /trials/NCT00634608	Depression	Integrating Targeted MedlinePlus Health Prescriptions Into Clinic Practice Workflow
http://data.linkedct.org/resource /trials/NCT00640562	Depression	Quetiapine Extended Release Depression Symptoms
http://data.linkedct.org/resource /trials/NCT00641940	Depression	Girls in Transition Study: Helping Girls Enter the Teenage Years
http://data.linkedct.org/resource /trials/NCT00669110	Depression	Study Evaluating DVS SR in the Treatment of Child and Adolescent Outpatients With Major Depressive Disorder
http://data.linkedct.org/resource/trials/NCT00694681	Depression	Working Toward Wellness
http://data.linkedct.org/resource /trials/NCT00709150	Depression	Effectiveness of Collaborative Depression Care Management in Treating Depressed Low- Income Hispanics With Diabetes
http://data.linkedct.org/resource /trials/NCT00770068	Depression	Examining the Link Between Depression and Seasonal Allergies
http://data.linkedct.org/resource /trials/NCT00776685	Depression	Adventure: The Efficacy of Personality-Targeted Interventions for Substance Misuse and Other Risky Behaviours as Delivered by

		Educational Professionals
http://data.linkedct.org/resource	Depression	Paroxetines Effect on
/trials/NCT00785603		Tramadols Metabolism and
		Pharmakodynamics: a
http://data.linkedct.org/resource	Depression	Dose Response Study Self-Guided Depression
/trials/NCT00906581	Depression	Treatment on Long-
		Duration Spaceflights: A
		Continuation Study
http://data.linkedct.org/resource	Depression	Study of Pathways
/trials/NCT00788814		Curriculum for Use With WPD
http://data.linkedct.org/resource	Depression	Personality Type as a
/trials/NCT00845455		Predictor to Develop Depression and Reduction
		in Quality of Life Among
		Stroke Survivals.
http://data.linkedct.org/resource	Depression	A Double-Blind Study of
/trials/NCT00863291		Buprenorphine Treatment of Acute Suicidality
http://data.linkedct.org/resource	Depression, Bipolar	Depakote ER in Bipolar
/trials/NCT00186186		Depression
http://data.linkedct.org/resource	Depression, Bipolar	A Study to Evaluate the
/trials/NCT00490971		Effectiveness and Safety of
		Extended-Release (ER) Paliperidone Compared
		With Placebo in Delaying
		the Recurrence of
		Symptoms in Bipolar I
http://data.linkedct.org/resource	Depression, Bipolar	Disorder Olanzapine Treatment of
/trials/NCT00510146	Depression, Dipolar	Patients With Bipolar I
7.11(1.6).110		Disorder
http://data.linkedct.org/resource	Depression, Postpartum	Group Therapy for
/trials/NCT00051246	Consensional Associate Di	Postpartum Depression
http://data.linkedct.org/resource/trials/NCT00219349	Generalized Anxiety Disorder	Cognitive-Behavioral Therapy and Lexapro for
/ (IIIII3/INO I 002 I 3343		GAD
http://data.linkedct.org/resource	Generalized Anxiety Disorder	Primary Care Intervention
/trials/NCT00347269		Strategy for Anxiety
http://doto.lipkodat.aug/goog.go	Congrelized Anviety Diseases	Disorders Child and Adalageant
http://data.linkedct.org/resource /trials/NCT00052078	Generalized Anxiety Disorder	Child and Adolescent Anxiety Disorders (CAMS)
http://data.linkedct.org/resource	Generalized Anxiety Disorder	Black Cohosh as
/trials/NCT00120458		Alternative Therapy for Treating Menopause-
		Related Anxiety
http://data.linkedct.org/resource	Generalized Anxiety Disorder	Treating Late-Life
/trials/NCT00308724		Generalized Anxiety

		Disorder (GAD) in Primary
http://data.linkedct.org/resource /trials/NCT00620776	Generalized Anxiety Disorder	Care Combined Treatment for Generalized Anxiety Disorder (GAD)
http://data.linkedct.org/resource /trials/NCT00569829	Generalized Anxiety Disorder	Modular Cognitive Behavioral Therapy for the Treatment of Child Anxiety Disorders in Elementary School Settings
http://data.linkedct.org/resource /trials/NCT00515242	Generalized Anxiety Disorder	Therapeutic Massage for Generalized Anxiety Disorder
http://data.linkedct.org/resource /trials/NCT00788034	Generalized Anxiety Disorder	Relapse-prevention Study With Lu AA21004 in Patients With Generalized Anxiety Disorder
http://data.linkedct.org/resource /trials/NCT00803361	Generalized Anxiety Disorder	Duloxetine for the Treatment of Generalized Anxiety Disorder
http://data.linkedct.org/resource /trials/NCT00902564	Generalized Anxiety Disorder	Efficacy and Safety of Escitalopram in Patients With Generalized Anxiety Disorder
http://data.linkedct.org/resource /trials/NCT00174577	Major Depression	Risperidone Augmentation Therapy in Patients Who Have Failed or Only Partially Responded to a Trial of Antidepressant
http://data.linkedct.org/resource /trials/NCT00291239	Major Depression	Effect of Partial Sleep Deprivation on Cognition and Cytokines in Individuals With Major Depression
http://data.linkedct.org/resource /trials/NCT00616759	Major Depression	The Effect on Cognition of Terminating ECT Induced Seizures With Propofol
http://data.linkedct.org/resource /trials/NCT00461279	Major Depression	Attachment Security as Mediator and Moderator of Outcome in Major Depression
http://data.linkedct.org/resource /trials/NCT00532480	Major Depression	Study of Brain Response to Emotional Pictures Using a fMRI While on Duloxetine
http://data.linkedct.org/resource /trials/NCT00627029	Major Depression	Evaluation of Programs of Coordinated Care and Disease Management
http://data.linkedct.org/resource /trials/NCT00472576	Major Depression	Antidepressant Effects of NR2B in Major Depression

http://data.linkedct.org/resource /trials/NCT00541957	Major Depression	Randomized Trial of Psychotherapy for Persistently Depressed Primary Care Patients
http://data.linkedct.org/resource /trials/NCT00565110	Major Depression	Treating Depression Among Low-Income Patients With Cancer
http://data.linkedct.org/resource /trials/NCT00918684	Major Depression	Aging Brain Changes, Executive Dysfunction and Depression
http://data.linkedct.org/resource /trials/NCT00243451	Mild Alzheimer's Disease	Early Detection of Mild Cognitive Impairment in Individual Patients
http://data.linkedct.org/resource /trials/NCT00595582	Mild Alzheimer's Disease	Early Intervention in Mild Cognitive Impairment (MCI) With Curcumin + Bioperine
http://data.linkedct.org/resource /trials/NCT00571064	Mild to Severe Alzheimer's Disease	The Effectiveness And Safety Of Donepezil Hydrochloride (E2020) In Subjects With Mild To Severe Alzheimer's Disease Residing In An Assisted Living Facility
http://data.linkedct.org/resource /trials/NCT00692432	Myocardial Depression	Macrophage Inhibitory Factor (MIF) and High- Mobility Group-1 Protein (HMG-1) in Children Undergoing Cardiopulmonary Bypass
http://data.linkedct.org/resource /trials/NCT00025766	Myocardial Infarction	Angioplasty and Heart Stents to Treat Individuals With an Occluded Artery Following a Heart Attack
http://data.linkedct.org/resource /trials/NCT00066898	Myocardial Infarction	ARISE – Aggressive Reduction of Inflammation Stops Events
http://data.linkedct.org/resource /trials/NCT00075088	Myocardial Infarction	Tele-Electrocardiography in Emergency Cardiac Care
http://data.linkedct.org/resource /trials/NCT00114452	Myocardial Infarction	Safety Study of Adult Mesenchymal Stem Cells (MSC) to Treat Acute Myocardial Infarction
http://data.linkedct.org/resource /trials/NCT00119847	Myocardial Infarction	Balloon Catheters and Stents to Prevent Heart Rhythm Irregularities in Individuals Post-Heart Attack

	Tag Para 2	144 1 5 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
http://data.linkedct.org/resource /trials/NCT00126750	Myocardial Infarction	Web-Enhanced Guideline Implementation for Post MI CBOC Patients
http://data.linkedct.org/resource /trials/NCT00164190	Myocardial Infarction	Routine Angioplasty and Stenting After Fibrinolysis for Acute Myocardial Infarction
http://data.linkedct.org/resource/trials/NCT00195169	Myocardial Infarction	Quality of Life After Myocardial Infarction
http://data.linkedct.org/resource /trials/NCT00253097	Myocardial Infarction	The Post Stroke Preventive Trial (PREVENT). A RCT Nested in a Cohort Study
http://data.linkedct.org/resource/trials/NCT00269425	Myocardial Infarction	The Heart Institute of Spokane Diet Study
http://data.linkedct.org/resource /trials/NCT00303979	Myocardial Infarction	IMPROVE HF: Registry to Improve the Use of Evidence-Based Heart Failure Therapies in the Outpatient Setting
http://data.linkedct.org/resource/trials/NCT00004562	Myocardial Infarction	Occluded Artery Trial (OAT)
http://data.linkedct.org/resource/trials/NCT00013741	Myocardial Infarction	The MI-HEART Project
http://data.linkedct.org/resource /trials/NCT00066053	Myocardial Infarction	Periodontitis and Cardiovascular Events or "PAVE"
http://data.linkedct.org/resource /trials/NCT00099411	Myocardial Infarction	Heart Muscle Viability and Remodeling in Individuals Post-Heart Attack
http://data.linkedct.org/resource /trials/NCT00116857	Myocardial Infarction	Omega-3 Fatty Acids to Improve Depression and Reduce Cardiovascular Risk Factors
http://data.linkedct.org/resource/trials/NCT00139464	Myocardial Infarction	Alpha Omega Trial
http://data.linkedct.org/resource /trials/NCT00149591	Myocardial Infarction	The Viability-Guided Angioplasty After Acute Myocardial Infarction-Trial (The VIAMI-Trial)
http://data.linkedct.org/resource /trials/NCT00175058	Myocardial Infarction	Acute Myocardial Infarction With HyperOxemic Therapy II (AMIHOT II)
http://data.linkedct.org/resource /trials/NCT00279175	Myocardial Infarction	REPAIR-AMI: Intracoronary Progenitor Cells in Acute Myocardial Infarction (AMI)
http://data.linkedct.org/resource/trials/NCT00005487	Myocardial Infarction	Multi-Ethnic Study of Atherosclerosis (MESA)
http://data.linkedct.org/resource	Myocardial Infarction	Look AHEAD: Action for

/trials/NCT00017953		Health in Diabetes
http://data.linkedct.org/resource	Myocardial Infarction	MYOHEART™
/trials/NCT00054678	,	(Myogenesis Heart
,		Efficiency and
		Regeneration Trial)
http://data.linkedct.org/resource	Myocardial Infarction	Safety and Effectiveness of
/trials/NCT00071032	Wyoodididi iiiidioii	Two Blood Transfusion
7(11013/140100071002		Strategies in Surgical
		Patients With
		Cardiovascular Disease
http://data.linkedct.org/resource	Myocardial Infarction	Safety of KAI-9803 for
/trials/NCT00093197		I -
/!!!als/INC100093197		Injection With Angioplasty
http://data lipkadat.org/gaggygag	Mysesadial Information	Following Heart Attack
http://data.linkedct.org/resource	Myocardial Infarction	HOPE-2 Study (Heart
/trials/NCT00106886		Outcomes Prevention
		Evaluation-2 Study)
http://data.linkedct.org/resource	Myocardial Infarction	Effects of Early Statin
/trials/NCT00128024		Treatment After Acute
		Myocardial Infarction (AMI)
		in Japanese Patients
http://data.linkedct.org/resource	Myocardial Infarction	Senior PAMI: Primary
/trials/NCT00136929		Angioplasty Versus
		Thrombolytic Therapy for
		Acute Myocardial Infarction
		in the Elderly
http://data.linkedct.org/resource	Myocardial Infarction	Multicentre 2x2 Factorial
/trials/NCT00229515		Randomised Study
		Comparing Tirofiban
		Versus Abciximab and
		SES Versus BMS in AMI
http://data.linkedct.org/resource	Myocardial Infarction	Effect of Standard Care
/trials/NCT00235339		Rehabilitation Versus
		Interval Treadmill Training
		After Myocardial Infarction
http://data.linkedct.org/resource	Myocardial Infarction	Sirolimus Eluting Stenting
/trials/NCT00288210	, Joan did i i i di di di	in Acute Myocardial
7.1.3.5/110 100200210		Infarction
http://data.linkedct.org/resource	Myocardial Infarction	Improving Cardiac
/trials/NCT00336830	Wy Sourcial Inflatolion	Rehabilitation Participation
/ ((10.5/140 1 0000000		in Women and Men
http://data.linkedct.org/resource	Myocardial Infarction	Safety and Effects of
/trials/NCT00375817	iviyocardiai imarciion	Implanted (Autologous)
/ (IIai5/NC I 003/ 30 I /		
		Skeletal Myoblasts
		(MyoCell) Using an
		Injection Catheter =
Inttroductor Polos I. t.	Managed Late	SEISMIC Trial
http://data.linkedct.org/resource	Myocardial Infarction	Stem Cell Therapy to
/trials/NCT00395811		Improve Myocardial
		Function in Patients

	T	Hadama'a O
		Undergoing Coronary Artery Bypass Grafting (CABG)
http://data.linkedct.org/resource	Myocardial Infarction	Culturally-Tailored
/trials/NCT00426231		Approach to Improve
		Medication Use in Patients
		With Heart Attacks
http://data.linkedct.org/resource	Myocardial Infarction	Trial to Assess the Ocular
/trials/NCT00617123		Safety of SCH 530348 in
		Patients With
		Atherosclerosis (Study
		P05183AM1)
http://data.linkedct.org/resource	Myocardial Infarction	Myocardial Infarction With
/trials/NCT00638638		ST-Elevation
http://data.linkedct.org/resource	Myocardial Infarction	Intracoronary Stem Cells in
/trials/NCT00389545		Large Myocardial Infarction
http://data.linkedct.org/resource	Myocardial Infarction	Ciclosporin A and Acute
/trials/NCT00403728		Myocardial Infarction
http://data.linkedct.org/resource	Myocardial Infarction	Discovery of New
/trials/NCT00430820		Circulating Biomarkers of
		Coronary Atherosclerosis
http://data.linkedct.org/resource	Myocardial Infarction	Glutamate for Metabolic
/trials/NCT00489827		Intervention in Coronary
hus //data Palsa data ass/saasassas	NA	Surgery
http://data.linkedct.org/resource	Myocardial Infarction	Molecular Determinants of
/trials/NCT00590291	Myocardial Inforction	Coronaruy Artery Disease Using Magnetic
http://data.linkedct.org/resource/trials/NCT00692991	Myocardial Infarction	Resonance Imaging to
/IIIais/NC100092991		Evaluate Heart Vessel
		Function After Angioplasty
		or Stent Placement
		Procedures
http://data.linkedct.org/resource	Myocardial Infarction	Harmonizing Outcomes
/trials/NCT00433966	,	With Revascularization and
		Stents in Acute Myocardial
		Infarction
http://data.linkedct.org/resource	Myocardial Infarction	Randomized Clinical Trial
/trials/NCT00442806		of Adipose-Derived Stem
		Cells in the Treatment of
		Pts With ST-Elevation
		Myocardial Infarction
http://data.linkedct.org/resource	Myocardial Infarction	Trial to Assess the Effects
/trials/NCT00526474		of SCH 530348 in
		Preventing Heart Attack
		and Stroke in Patients With
		Atherosclerosis (TRA 2°P -
		TIMI 50) (Study
http://doto-links-dot-s-s-/	Myopordial Inforction	P04737AM2)
http://data.linkedct.org/resource	Myocardial Infarction	Study of Myocardial

/triple/NICTO0E7E000	<u> </u>	Dorfusion and Caranani
/trials/NCT00575289		Perfusion and Coronary
		Anatomy Imaging Roles in
	<b>NA</b> 11 1 6 6	Coronary Artery Disease
http://data.linkedct.org/resource	Myocardial Infarction	Long Term Follow-up of
/trials/NCT00626145		Autologous Bone Marrow
		Mononuclear Cells
		Therapy in STEMI
http://data.linkedct.org/resource	Myocardial Infarction	NORVIT and WENBIT -
/trials/NCT00671346		Long-term Follow-up
http://data.linkedct.org/resource	Myocardial Infarction	Comparison of ATI-5923, a
/trials/NCT00691470		Novel Vitamin K
		Antagonist, With Warfarin
		in Patients Requiring
		Chronic Anticoagulation
http://data.linkedct.org/resource	Myocardial Infarction	Study to Asses the
/trials/NCT00872456		Incidence of
		Cardiovascular Disease
		(CVD) Complications in
		Diabetic Patients Pre-
		Stratified by Haptoglobin
		Phenotype and HbA1c
		From the I CARE Registry
http://data.linkedct.org/resource	Myocardial Infarction	Type 2 Diabetes and Acute
/trials/NCT00926133	in your alar maronom	Myocardial Infarction
http://data.linkedct.org/resource	Myocardial Infarction	Angiography Versus (vs)
/trials/NCT00936169	Introduction	IVUS Optimisation
http://data.linkedct.org/resource	Myocardial Infarction	Early Detection of
/trials/NCT00863967	Introduction	Arteriosclerosis
http://data.linkedct.org/resource	Myocardial Infarction	Adjunctive Mild
/trials/NCT00846222	Complicated With Cardiogenic	Hypothermia Therapy to
7(11813/110100040222	Shock	Primary Percutaneous
	SHOCK	Coronary Intervention in
		Patients With Acute
		Myocardial Infarction Complicated With Shock: A
		I -
http://dotalialcodat.org/rocourse	Nangaparalized Cocial Anvioty	Feasibility Study
http://data.linkedct.org/resource	Nongeneralized Social Anxiety	Exposure With
/trials/NCT00842946	Disorder	Acceptance-Based Versus
		Habituation-Based
		Rationale for Public
	D (M	Speaking Anxiety
http://data.linkedct.org/resource	Post Myocardial Infarction	The Prevention of
/trials/NCT00605631		Myocardial Enlargement
		and Dilatation Post
		Myocardial Infarction Study
http://data.linkedct.org/resource	Postpartum Depression	Improving Health
/trials/NCT00360204		Outcomes for New Mothers
		and Babies
http://data.linkedct.org/resource	Postpartum Depression	Mom: Managing Our Mood,

/trials/NCT00795652		Part of The Family Help
711010/14010070002		Program
http://data.linkedct.org/resource /trials/NCT00556140	Psychotic Depression	The Combination of Aripiprazole and Antidepressants in Psychotic Major
http://data.linkedct.org/resource /trials/NCT00842946	Public Speaking Anxiety	Depression  Exposure With Acceptance-Based Versus Habituation-Based Rationale for Public Speaking Anxiety
http://data.linkedct.org/resource/trials/NCT00875134	Respiratory Depression	Testing of the Apnea Prevention Device
http://data.linkedct.org/resource /trials/NCT00502528	ST-Elevation Myocardial Infarction	Endothelin Receptor Blockade in Acute ST- elevation Myocardial Infarction
http://data.linkedct.org/resource /trials/NCT00763828	ST-Elevation Myocardial Infarction	Can Hypothermia be Incorporated Into Primary Angioplasty for Heart Attack?
http://data.linkedct.org/resource /trials/NCT00507156	ST-Segment Myocardial Infarction	Postconditioning in the Treatment of Acute ST-Segment Elevation Myocardial Infarction
http://data.linkedct.org/resource /trials/NCT00569829	Separation Anxiety Disorder	Modular Cognitive Behavioral Therapy for the Treatment of Child Anxiety Disorders in Elementary School Settings
http://data.linkedct.org/resource /trials/NCT00347269	Social Anxiety Disorder	Primary Care Intervention Strategy for Anxiety Disorders
http://data.linkedct.org/resource /trials/NCT00902226	Social Anxiety Disorder	Safety of Escitalopram in Patients With Social Anxiety Disorder
http://data.linkedct.org/resource/trials/NCT00565617	Treatment Resistant Depression	Epidural Cortical Stimulation for Depression
http://data.linkedct.org/resource /trials/NCT00322777	Unipolar Depression	Spirituality and Depression Study

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Q8. Do I have suitable patients for an AD trial where they are looking for females who are aged over 55 years, have the APOE variant, and low ADAS COG scores?

## **SPARQL**

```
PREFIX indivo: <a href="http://indivo.org/vocab/xml/documents#">http://indivo.org/vocab/xml/documents#>
PREFIX trans: <tag:eric@w3.org:2009/tmo/translator#>
PREFIX foaf: <a href="http://xmlns.com/foaf/0.1/">http://xmlns.com/foaf/0.1/>
SELECT DISTINCT(?patient_name) ?dob ?gender
WHERE {
  GRAPH <pchr> {
     ?patient foaf:name ?patient_name .
     ?patient trans:demographics ?demographics .
     # female
     ?demographics indivo:gender ?gender .
     FILTER (?gender = "Female").
     # age > 55; would have been born in 1954
     ?demographics indivo:dateOfBirth ?dob .
     FILTER (?dob < "1954-01-01")
     # apoe variant
     [] trans:patient ?patient;
       trans:result [ trans:variant_Synonyms ?synonyms ]].
     FILTER regex(?synonyms, "APOE4") .
     # low ADAS COG score: Alzheimer's Disease Assessment Scale-cognitive subscale
     # trans:testName "Alzheimer's Disease Assessment Scale-cognitive subscale";
     #[] trans:patient ?patient ;
     # trans:test [trans:CPT "97532"; trans:result [?p ?stuff]].
  }
}
```

## Results

patient_name	dob	gender
Marianne Huber	1940-01-01	Female
Monica Mary Mall	1937-05-15	Female

-----

Q9. What genes are associated with or implicated in AD?

#### **SPARQL**

PREFIX diseasome: <a href="http://www4.wiwiss.fu-berlin.de/diseasome/resource/diseasome/">http://www4.wiwiss.fu-berlin.de/diseasome/resource/diseasome/>PREFIX pharmgkb: <a href="http://bio2rdf.org/pharmgkb:">http://bio2rdf.org/pharmgkb:></a>

## Results

gene_name
A2M
AAA
ABCB4
ACE
ACE1
AD1
AD2
AD3
AD4
ADAM12
APBB2
APOE
APP
ATP8A1
BCHE
BLMH
BMH
C1QB
C1orf49
CALHM1
CBS
CD86
CHAT
CHRNA7
CLSTN2
CRP
CSF1
CST3
CTSD
CVAP
CYP2C18
CYP2C19

CYP2C8
CYP2C9
DCP1
DISC1
DNMBP
FE65L1
GBP2
GSTM1
GSTT1
HTR1A
HTR7
IDE
KCNMA1
KCTD12
KIF20B
LILRA3
MAPT
MEOX2
MME
MPO
NAT2
NCSTN
NMNAT3
NOS2
NOS3
OPCML
PACIP1
PAXIP1
PAXIP1L
PCDH11X
PLAU
PPP1R11
PSEN1
PSEN2
PTIP
RALGPS2
RGSL1
SIRT1
SORL1 SST
STM2
TF
UBQLN1
URK
VEGFA
WWC1
ZNF224

\_\_\_\_\_

Q10. What biomarkers are associated with or implicated in AD?

## **SPARQL**

```
PREFIX pharmgkb: <a href="http://bio2rdf.org/pharmgkb">http://bio2rdf.org/pharmgkb</a>:>
```

```
SELECT DISTINCT(?variant) ?gene_name ?description
WHERE {
     GRAPH <pharmgkb> {
          ?association a pharmgkb:DrugGeneVariantInteraction .
          ?association pharmgkb:description ?description .
          ?association pharmgkb:disease ?disease .
          ?association pharmgkb:variant ?variant .
          ?disease rdfs:label ?disease_name .
          FILTER regex(?disease_name, "alzheimer", "i") .
          ?association pharmgkb:gene ?gene .
          ?gene dc:identifier ?gene_name .
     }
}
ORDER BY ASC(?gene_name)
```

### Results

variant	gene_name	description
http://bio2rdf.org/dbsn p:rs4343	ĂCE	In an inbred Israeli Arab community, rs4343 was shown to be significantly associated with risk of developing Alzheimer Disease, especially when analyzed in a combined haplotype with rs4351.
http://bio2rdf.org/dbsn p:rs4351	ACE	In an inbred Israeli Arab population, rs4351 was shown to be significantly associated with risk of developing Alzheimer Disease, especially when analyzed in a combined haplotype with rs4343.
http://bio2rdf.org/dbsn p:rs11244841	ADAM12	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs2066853	AHR	Conflicting studies have researched this variant in relationship to Alzheimer's, bladder cancer and lung cancer.
http://bio2rdf.org/dbsn p:rs4420638	APOC1	GWAS results: A high-density whole-genome association study reveals that APOE is the major susceptibility gene for sporadic late-onset Alzheimer's disease. (Initial Sample Size: 664 cases, 422 controls; Replication Sample Size: NR); (Region: 19q13.32; Reported Gene(s): APOE); (p-value=

	T	T
		9.999999999999999999999999999999999999
		associated with Late onset Alzheimer's
		disease.
http://bio2rdf.org/dbsn	APOC1	GWAS results: Candidate single-nucleotide
p:rs4420638		polymorphisms from a genomewide
		association study of Alzheimer disease.
		(Initial Sample Size: 753 cases, 736 controls;
		Replication Sample Size: 418 cases, 249
		controls); (Region: 19q13.32; Reported
		Gene(s): APOE, APOC; Risk Allele:
		rs4420638-?); (p-value=
		1.999999999999999999999999999999999999
		associated with Alzheimer's disease.
http://bio2rdf.org/dbsn	APOC1	GWAS results: Sorl1 as an Alzheimer's
p:rs4420638	74 331	disease predisposition gene?. (Initial Sample
p.101-120000		Size: 664 cases, 422 controls; Replication
		Sample Size: NR); (Region: 19q13.32;
		Reported Gene(s): APOE; Risk Allele:
		rs4420638-?); (p-value=
		9.9999999999999999999E-40).This variant is
		associated with Alzheimer's disease.
battor//bio Ondf oney/dbox	A DOC4	
http://bio2rdf.org/dbsn	APOC1	In a GWAS of Alzheimer Disease families of
p:rs4420638		self-reported European ancestry, this SNP
		was found to be associated with Alzheimer
1111 (1111 0 15 (111		Disease.
http://bio2rdf.org/dbsn	ATP8A1	This variant is significantly associated with
p:rs12639920		late-onset Alzheimer disease (LOAD) in a
		GWAS study with 492 LOAD cases and 498
		cognitive controls using Illumina's
		HumanHap550 beadchip.
http://bio2rdf.org/dbsn	ATXN1	In a GWAS of Alzheimer Disease families of
p:rs179943		self-reported European ancestry, this SNP
		was found to be associated with Alzheimer
		Disease. This association did not reach
		significance in replication attempts with three
		other family samples.
http://bio2rdf.org/dbsn	CALHM1	This variant increases amyloid-beta levels by
p:rs2986017		interfering with CALHM1-mediated Ca(2+)
		permeability. The SNP is significantly
		associated with Alzheimer's disease in
		independent case-control studies of 3404
		participants.
http://bio2rdf.org/dbsn	CALHM2	This variant increases amyloid-beta levels by
p:rs2986017	_	interfering with CALHM1-mediated Ca(2+)
		permeability. The SNP is significantly
		associated with Alzheimer's disease in
		independent case-control studies of 3404
		participants.
http://bio2rdf.org/dbsn	CD33	GWAS results: Genome-wide Association
Tittp://biozidi.org/db311	0000	STATES TOSUITO. CONTINUE WIND ASSOCIATION

p:rs3826656		Analysis Reveals Putative Alzheimer's Disease Susceptibility Loci in Addition to APOE. (Initial Sample Size: 941 affected individuals, 404 unaffected individuals; Replication Sample Size: 1,767 affected individuals, 838 unaffected individuals); (Region: 19q13.33; Reported Gene(s): CD33; Risk Allele: rs3826656-?); (p-value=
		0.000006).This variant is associated with Alzheimer's disease.
http://bio2rdf.org/dbsn p:rs3826656	CD33	In a GWAS of Alzheimer Disease families of self-reported European ancestry, this SNP was found to be associated with Alzheimer Disease. This association was also significant in replication attempts with three other family samples.
http://bio2rdf.org/dbsn p:rs2681411	CD86	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs7537752	CSF1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs2180566	DEFB123	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs12044355	DISC1	GWAS results: Genome-wide association study implicates a chromosome 12 risk locus for late-onset Alzheimer disease. (Initial Sample Size: 492 cases, 496 controls; Replication Sample Size: 238 cases, 220 controls); (Region: 1q42.2; Reported Gene(s): DISC1; Risk Allele: rs12044355-?); (p-value= 0.000009). This variant is associated with Alzheimer's disease.
http://bio2rdf.org/dbsn p:rs12044355	DISC1	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs3740057	DNMBP	This variant is associated with Alzheimer dementia in the Belgian population
http://bio2rdf.org/dbsn p:rs10883421	DNMBP	This variant is associated with Alzheimer dementia in the Belgian population
http://bio2rdf.org/dbsn p:rs2373115	GAB2	GWAS Results: GAB2 alleles modify Alzheimer's risk in APOE epsilon4 carriers

		(Initial Sample Size: 446 cases, 290 controls;
		Replication Sample Size: 415 cases, 260 controls; Risk Allele: rs2373115-G).
http://bio2rdf.org/dbsn p:rs6428503	GBP2	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs10922573	GBP2	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs6942930	INTS1	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs16934131	KCNMA1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs659628	KCTD12	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs11754661	MTHFD1L	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs11653716	NOS2	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs2573905	PCDH11X	GWAS results: Genetic variation in PCDH11X is associated with susceptibility to late-onset Alzheimer's disease. (Initial Sample Size: 844 cases, 1,255 controls; Replication Sample Size: 1,547 cases, 1,209 controls); (Region: Xq21.31; Reported Gene(s): PCDH11X; Risk Allele: rs2573905-?); (p-value= 0.0000002). This variant is associated with Alzheimer's disease.
http://bio2rdf.org/dbsn p:rs3807031	PPP1R11	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs6859	PVRL2	GWAS results: A genome-wide association study for late-onset Alzheimer's disease using DNA pooling. (Initial Sample Size: 1,082 cases, 1,239 controls; Replication Sample Size: 1,400 additional controls); (Region:

		19q13.32; Reported Gene(s): PVRL2, TOMM40, APOE; Risk Allele: rs6859-A); (p-value= 5.999999999999999999999999999999999999
http://bio2rdf.org/dbsn p:rs3846421	SORCS2	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs10786828	SORCS3	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs7894737	SORCS3	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs720099	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs7946599	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs1784919	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs3781835	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs3781838	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs6589885	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs2298814	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs1792124	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs11218343	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs11218342	SORL1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs157580	TOMM40	GWAS results: Examination of the current top candidate genes for AD in a genome-wide association study. (Initial Sample Size: 491 cases, 479 controls; Replication Sample Size: NR); (Region: 19q13.32; Reported Gene(s): TOMM40, APOE; Risk Allele: rs157580-?);

		(p-value= 1E-40).This variant is associated
		with Alzheimer's disease.
http://bio2rdf.org/dbsn p:rs929156	TRIM15	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs12514426	WWC1	This variant is nominally associated with late- onset Alzheimer disease (LOAD) in 2 GWAS studies.
http://bio2rdf.org/dbsn p:rs2061333	ZNF224	GWAS results: Genome-wide association study implicates a chromosome 12 risk locus for late-onset Alzheimer disease. (Initial Sample Size: 492 cases, 496 controls; Replication Sample Size: 238 cases, 220 controls); (Region: 19q13.31; Reported Gene(s): ZNF224; Risk Allele: rs2061333-?); (p-value= 0.000002).This variant is associated with Alzheimer's disease.
http://bio2rdf.org/dbsn p:rs4459653	ZNF224	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs2061333	ZNF224	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs2061332	ZNF224	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs4802207	ZNF224	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs3746319	ZNF224	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs2061333	ZNF225	GWAS results: Genome-wide association study implicates a chromosome 12 risk locus for late-onset Alzheimer disease. (Initial Sample Size: 492 cases, 496 controls; Replication Sample Size: 238 cases, 220

		controls); (Region: 19q13.31; Reported Gene(s): ZNF224; Risk Allele: rs2061333-?); (p-value= 0.000002). This variant is associated with Alzheimer's disease.
http://bio2rdf.org/dbsn p:rs2061333	ZNF225	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs2061332	ZNF225	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs3746319	ZNF225	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.
http://bio2rdf.org/dbsn p:rs3807031	ZNRD1	This variant is significantly associated with late-onset Alzheimer disease (LOAD) in a GWAS study with 492 LOAD cases and 498 cognitive controls using Illumina's HumanHap550 beadchip.

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Q11. An APOE variant is strongly correlated with AD predisposition. Are there drug classes and drugs that target APOE?

## **SPARQL**

```
PREFIX pharmgkb: <a href="http://bio2rdf.org/pharmgkb">http://bio2rdf.org/pharmgkb</a>:>
```

```
SELECT DISTINCT ?drug_name
WHERE {
   GRAPH <pharmqkb> {
```

?association rdf:type pharmgkb:DrugGeneVariantInteraction .

?association pharmgkb:description ?description .

?association pharmgkb:disease ?disease .

?association pharmgkb:variant ?variant .

?disease rdfs:label ?disease\_name .

FILTER regex(?disease\_name, "alzheimer", "i") .

?association pharmgkb:gene ?gene .

?gene dc:identifier "APOE".

?a2 a pharmgkb: Association .

?a2 pharmgkb:gene ?gene .

?a2 pharmgkb:disease ?d2.

?d2 rdfs:label ?disease2\_name .

FILTER regex(?disease2\_name, "alzheimer", "i") .

```
?a2 pharmgkb:drug ?drug .
?drug rdfs:label ?drug_name .
}
ORDER BY ASC(?drug_name)
Results
drug_name
```

Q12. Which existing marketed drugs might potentially be re-purposed for AD because they are known to modulate genes that are implicated in the disease?

```
PREFIX pharmgkb: <a href="http://bio2rdf.org/pharmgkb">http://bio2rdf.org/pharmgkb</a>:>
```

```
SELECT DISTINCT ?drug_name ?disease2_name
WHERE {
  GRAPH <pharmqkb> {
     ?association rdf:type pharmqkb:DrugGeneVariantInteraction .
     ?association pharmgkb:description ?description .
     ?association pharmgkb:disease
<a href="http://bio2rdf.org/pharmgkb:1aa122e7b0687fa04b895ee82d6b6476">http://bio2rdf.org/pharmgkb:1aa122e7b0687fa04b895ee82d6b6476</a>.
     ?association pharmgkb:variant ?variant .
     ?association pharmgkb:gene ?gene .
     ?gene dc:identifier ?gene name.
     ?a2 a pharmgkb: Association .
     ?a2 pharmgkb:gene ?gene .
     ?a2 pharmgkb:disease ?d2.
     ?d2 rdfs:label ?disease2 name.
     ?a2 pharmgkb:drug ?drug .
     ?drug rdfs:label ?drug_name .
  }
ORDER BY ASC(?drug_name) ASC(?disease2_name)
```

#### Results

drug_name	disease2_name
(s)-rolipram	Autistic Disorder
(s)-rolipram	Bipolar Disorder
(s)-rolipram	Depression
(s)-rolipram	Schizophrenia
ACE INHIBITORS, PLAIN	Abnormalities
ACE INHIBITORS, PLAIN	Alcoholism
ACE INHIBITORS, PLAIN	Alzheimer Disease
ACE INHIBITORS, PLAIN	Angioneurotic Edema
ACE INHIBITORS, PLAIN	Cardiovascular Abnormalities

ACE INILIDITODE DI AINI	Cardiovascular Diseases
ACE INHIBITORS, PLAIN ACE INHIBITORS, PLAIN	
	Coronary Disease
ACE INHIBITORS, PLAIN	Cough
ACE INHIBITORS, PLAIN	Fetal Death
ACE INHIBITORS, PLAIN	Heart Failure
ACE INHIBITORS, PLAIN	Hypertension
ACE INHIBITORS, PLAIN	Hypertrophy, Left Ventricular
ACE INHIBITORS, PLAIN	Kidney Diseases
ACE INHIBITORS, PLAIN	nondiabetic proteinuric nephropathy
ANGIOTENSIN II ANTAGONISTS AND	Cardiovascular Diseases
CALCIUM CHANNEL BLOCKERS	
ANGIOTENSIN II ANTAGONISTS AND	Hypertension
CALCIUM CHANNEL BLOCKERS	
ANTIPSYCHOTICS	Schizophrenia
BETA BLOCKING AGENTS	Abnormalities
BETA BLOCKING AGENTS	Cardiovascular Abnormalities
BETA BLOCKING AGENTS	Fetal Death
atenolol	Hypertension
atenolol	glomerulosclerosis
benazepril	Diabetes Mellitus, Non-Insulin-Dependent
benazepril	Hypertension
benazepril	Proteinuria
captopril	Hypertension
cilazapril	Cough
enalapril	Arteriosclerosis
enalapril	Hypertension
enalapril	glomerular disease
enalapril	glomerulosclerosis
epoetin alfa	Kidney Failure
ethanol	Alcoholism
fluvastatin	Arteriosclerosis
gemfibrozil	visceral obesity
hydrochlorothiazide	Hypertension
irbesartan	Hypertension
lisinopril	Diabetes Mellitus, Insulin-Dependent
lisinopril	Hypertension
nifedipine	Hypertension
perindopril	Cardiovascular Diseases
perindopril	Cerebrovascular Accident
perindopril	Dementia Dementia
perindopril	Diabetes Mellitus, Non-Insulin-Dependent
perindopril	Hypertension
perindopril	Memory Disorders
perindopril	Proteinuria
pravastatin	Coronary Arteriosclerosis
pravasiaiiii	Oronary Artonosolorosis

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Q13. What are the results of Georg Steffen Möller's lipid panel?

#### **SPARQL**

```
PREFIX tmo: <tag:eric@w3.org:2009/tmo/translator#>
PREFIX foaf: <a href="http://xmlns.com/foaf/0.1/">http://xmlns.com/foaf/0.1/>
SELECT ?date ?value ?units ?referrer ?referred_to ?clinic
WHERE {
  ?patient foaf:name "Georg Steffen Möller" .
  ?encounter tmo:patient ?patient :
     tmo:dateOfEncounter?date;
     tmo:test ?referral.
  ?referral tmo:physicianNotes ?notes;
     tmo:testType tmo:Laboratory;
     tmo:testName "Lipid panel";
     tmo:CPT ?cpt;
     tmo:referredTo ?referred to:
     tmo:referredClinic ?clinic;
     tmo:referredBy ?referrer;
     tmo:testSet ?panel .
  ?panel a tmo:LipidPanel;
     tmo:testCode ?code .
  ?code tmo:description "Low-density lipoprotein" :
     tmo:value ?value ;
     tmo:units ?units .
}
```

## Results

date	value	units	referrer	referred_to	clinic
2008-05-06	4	mmol/l	David Winziski	Daniel Schmidt	Herzzentrum
2008-05-06	4	mmol/l	David Winziski	Daniel Schmidt	Herzzentrum

\_\_\_\_\_

Q14. What is Monica Mary Mall's platelet count over time?

#### **SPARQL**

```
PREFIX tmo: <tag:eric@w3.org:2009/tmo/translator#>
PREFIX foaf: <http://xmlns.com/foaf/0.1/>

SELECT ?date ?value ?units
WHERE {
     ?encounter tmo:patient [ foaf:name "Monica Mary Mall" ] ;
     tmo:dateOfEncounter ?date ;
     tmo:test [
```

## Results

date	value	units
2009-07-20	290	K/mcL
2008-07-20	290	K/mcL
2008-03-18	291	K/mcL
2007-07-18	291	K/mcL
2006-07-20	297	K/mcL
2005-07-20	291	K/mcL
2004-07-20	291	K/mcL